

ORAJET® 3951RA PREMIUM WRAPPING CAST FILM WITH *RapidAir*® TECHNOLOGY

Technical Datasheet
05/26
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Discover ORAJET® 3951: The Ultimate Solution for Commercial and Custom Vehicle Wraps

Description

Achieve unmatched durability and vibrant graphics with ORAJET® 3951RA, an industry-leading commercial vehicle wrap film trusted by professionals worldwide. Designed to exceed expectations in performance and ease of application, this highly conformable digitally printable wrap film is your go-to solution for complex vehicle graphics, commercial fleet wraps, outdoor signage, and boat wraps. ORAJET® 3951RA is designed for installers who prefer a commercial vehicle wrapping film with a slightly higher initial tack. Installers who prefer a low initial adhesive tack with slideability should consider ORAJET® 3951RA + ProSlide®.

Key Features

- **Exceptional Quality and Construction:** Built to withstand the harshest conditions, our 2-mil PVC Cast film boasts an impressive unprinted 10-year lifespan, ensuring longevity and performance.
- **Climate Zone Durability:** When printing with OEM latex, resin, solvent, eco-solvent, or conformable UV Curable or UV-Gel inks and laminated with Premium ORAGUARD® 290, 290GF, or 293, expect outstanding durability for up to:
 - 7 years *Climate Zone 1*
 - 5 years *Climate Zone 2*
 - 3 years *Climate Zone 3*
- **RapidAir® Adhesive Technology:**
 - *RapidAir*® bubble-free air-egress system
 - Enables installers to reposition the material while maintaining strong anchoring on their center hinge
- **Long-Term Removability:** Higher quality PVC-Cast film construction for enhanced durability combined with a specially formulated automotive-grade adhesive facilitates clean removal with the assistance of heat. Experience clean removal up to 4 years from OEM automotive paint systems, ensuring hassle-free removal when needed.
- **Print Compatibility:** Compatible with latex, resin, solvent, eco-solvent, and flexible UV curable and UV Gel printers, ensures seamless printing for vibrant, high-resolution graphics that make your designs pop.
- **Enhanced Graphic Protection:** Pair with ORAGUARD® 290, 290GF, or 293 for added protection against the elements, extending the lifespan of your graphics and maintaining their pristine appearance.

Elevate your branding wide range of design needs with commercial graphics using ORAJET® 3951RA, the ultimate choice for superior durability, performance, and ease of installation. Explore endless possibilities and unleash your creativity today.

Do you need an air-egress version for bubble-free wrap applications? Choose ORAJET® 3951RA or ORAJET® 3951RA + ProSlide® to save time and experience long-lasting results! Do you need a High-Tack version for challenging hard-to-stick substrates like low-surface energy plastics or industrial powder coatings? Choose ORAJET® 3951HT for these applications. Plus, it's backed by the ORAFOL® ([OCS](#)) [ORALIFE™ Component System Warranty](#), offering peace of mind and reliability! Show now! [Locate an Authorized ORAFOL Distributor.](#)



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Release Liner

88# PE-coated silicone paper featuring *RapidAir*® technology

Film Construction

Premium Cast PVC Film

Colors + Adhesive Type

- 010, gloss white + grey solvent-based adhesive

Durability

10 years (*unprinted*) *Climate Zone 1*

Applications

- Flat or moderate to complex curves
 - Complex vehicle wrap and commercial fleet wrap applications
 - Long-term outdoor signage
 - Boat wrap applications
 - Motorcycle wrap applications
 - Bus and subway transit wrap applications

Recommended Laminates

- ORAGUARD® 290 (2 mil Cast PVC)
- ORAGUARD® 290GF (Optically Clear, 2 mil Cast PVC)
- ORAGUARD® 293 (1 mil Cast PVC)
- ORAGUARD® 279 (2 mil Cast PU – Extreme Durability)

Printability/Ink Compatibility

Latex, Solvent, Eco-Solvent, UV Curable, UV-Gel, and Resin. [Click Here](#) to view ORAFOL ICC Profiles.

Splice Free Guarantee

Our Splice Free Guarantee assures you that every roll of ORAJET® digital print media is free from splices. If you identify a verifiable splice, we will promptly replace the roll at no cost and provide you with \$500 as a token of our commitment to your satisfaction and uninterrupted printing experience.



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Thickness (without liner and adhesive)	2-mil
Dimensional Stability (FINAT TM-14)	Adhered to steel, no shrinkage in cross direction; In length, <.004"
Temperature Resistance	Adhered to aluminum, -58°F to +212°F, no variation
Fire Behavior (DIN 75200) Fire Rating	Adhered to steel, self-extinguishing ASTM E 84-07 Class "A"
Adhesive Power (FINAT TM-1, after 24 h, average)	Adhered to stainless steel: 4.1 lb/in
Tensile Strength (DIN EN ISO 527)	Along: Min. 19 MPa Across: Min. 19 MPa
Elongation at Break (DIN EN ISO 527)	Along: Min. 120% Across: Min. 120%
Seawaterability (DIN 50 021)	Adhered to aluminum, after 100h/73°F, no variation
Shelf Life (68°F/50% relative humidity)	2 years
Minimum Life Expectancy (based on accepted application procedures on vertical surfaces)	10 years (unprinted)
Minimum Application Temperature	50°F
Available Lengths	150' (50-yard) and 30' (10-yard)
Available Widths (in inches)	30, 50, 54, 60
Recommended Laminates	ORAGUARD® Series 290, 290GF, 293, 279
Print Compatibility	Latex, Solvent, Eco-Solvent, UV Curable, UV-Gel, and Resin

For best results, utilize ORAFOL ICC profiles available at www.orafol.com and allow solvent-based inks to dry for at least 24 hours (48-72 hours preferred) at 70°F before cutting the graphic to the ink or applying a laminate.



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Note

Surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination which could affect the adhesion of the material. Freshly lacquered or painted surfaces should be completely cured. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. Films with structured surface are naturally more sensitive than the unstructured. Accordingly, these films are to be treated carefully both in processing and in cleaning. Impurities affect the appearance of structured films and require more frequent cleaning. Furthermore the application information published by ORAFOL is to be considered. The batch traceability according to ISO 9001 is possible on the basis of the roll number.

IMPORTANT NOTICE

All ORAJET® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning ORAJET® products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of ORAJET® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use.

All specifications are subject to change without prior notice.

WARNING – This product may expose you to chemicals which are known in the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to – P65Warnings.ca.gov



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